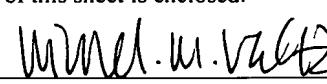
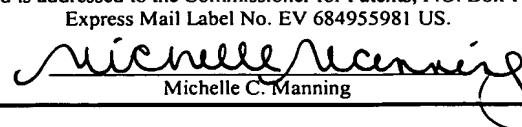


IAP/Rec'd PCT/PTO 17 APR 2006

000FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE REV. 2/01T		CUSTOMER NO. 22,852 ATTORNEY'S DOCKET NUMBER  09641.0011-00000  U.S. APPLICATION NO. 10/1576358 Filed on, see 37 CFR 1.81  Not Yet Assigned
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/GB2004/004401	15 October 2004	16 October 2003
<b>TITLE OF INVENTION</b> IMPROVED CONTROL OF ES CELL SELF RENEWAL AND LINEAGE SPECIFICATION, AND MEDIUM THEREFOR		
<b>APPLICANT(S) FOR DO/EO/US</b> SMITH, et al.		
Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1.	<input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C 371.	
2.	<input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.	
3.	<input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.	
4.	<input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).	
5.	<input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)). a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed with the United States Receiving Office (RO/US).	
6.	<input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154 (d)(4).	
7.	<input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)). a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.	
8.	<input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).	
9.	<input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). (Unexecuted)	
10.	<input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).	
Items 11 to 20 below concern document(s) or information included:		
11.	<input checked="" type="checkbox"/> Information Disclosure Statement under 37 CFR 1.97 and 1.98	
12.	<input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.	
13.	<input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.	
14.	<input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.	
15.	<input type="checkbox"/> A Substitute specification.	
16.	<input type="checkbox"/> A change of power of attorney and/or address letter.	
17.	<input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.	
18.	<input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154 (d)(4).	
19.	<input checked="" type="checkbox"/> Other items or information: a. <input checked="" type="checkbox"/> Form PCT/IB/308, Second and Supplementary Notice mailed February 16, 2006 from the International Bureau b. <input checked="" type="checkbox"/> Statement accompanying Sequence Listing Under 37 C.F.R. §1.821(f) c. <input checked="" type="checkbox"/> Form PCT/IPEA/409, International Preliminary Report on Patentability, including annex with copy of amended claims submitted on 12 September 2005	

IAP20 Rec'd FORTY 17 APR 2006

U.S. APPLICATION NO. (If known, see 37 CFR 1.14)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
Not Yet Assigned 101576358		PCT/GB2004/004401		09641.0011-00000	
21. <input checked="" type="checkbox"/> The following fees are submitted:					
<b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b>			\$300.00		
National Stage Search Fee.....			\$500.00		
National Stage Examination Fee.....			\$200.00		
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			N/A		
Total Sheets	Extra Sheets	Number of additional 50 or fraction thereof (rounded up to a whole number)	Rate		
- 100 =		50	x 250.00	\$N/A	
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).			<input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30	\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	37	- 20 =	x \$50.00	\$850.00	
Independent Claims	12	-3 =	x \$200.00	\$1,800.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$0.00	
<b>TOTAL OF THE ABOVE CALCULATIONS =</b> \$3,780.00					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by $\frac{1}{2}$ .					
<b>SUBTOTAL =</b> \$3,780.00					
Processing fee of \$130.00 for furnishing the English translation later than months from the earliest priority date (37 CFR 1.492(f)).			<input type="checkbox"/> 20 <input type="checkbox"/> 30	\$	
<b>TOTAL NATIONAL FEE =</b> \$3,780.00					
<b>TOTAL FEES ENCLOSED =</b> \$0.00					
				Amount to be refunded:	\$
				charged:	\$
a. <input checked="" type="checkbox"/>	Please charge Deposit Account No. <u>06-0916</u> in the amount of \$ 3,780.00 to cover the above fees. A duplicate copy of this sheet is enclosed.				
b. <input checked="" type="checkbox"/>	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-0916</u> . A duplicate copy of this sheet is enclosed.				
SEND ALL CORRESPONDENCE TO:					
Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. 901 New York Avenue, NW Washington, D.C. 20001-4413			 Nicole L. M. Valtz, Reg. No. 47,150		
DATED: 17 April 2006					
<b>CERTIFICATE UNDER 37 CFR § 1.10 OF MAILING BY "EXPRESS MAIL"</b>					
I hereby certify that this correspondence is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on 17 April 2006 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Express Mail Label No. EV 684955981 US.					
 Michelle C. Manning					

**10/576358**

**CERTIFICATE UNDER 37 CFR § 1.10 OF  
MAILING BY "EXPRESS MAIL"**

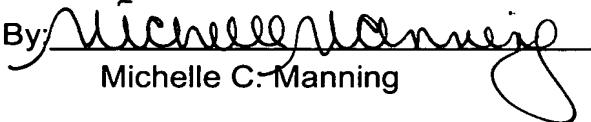
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EV 684955981 US  
USPS Express Mail Label Number

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17 April 2006  
Date of Deposit

I hereby certify that this correspondence is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By:   
Michelle C. Manning